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**REISSUE APPLICATION DECLARATION BY THE INVENTOR**

Docket Number (Optional)

SONY-R7018

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed in patent number 5,870,710, granted February 9, 1999, and for which a reissue patent is sought on the invention entitled AUDIO TRANSMISSION, RECORDING AND REPRODUCING SYSTEM

the specification of which

☒ is attached hereto.

☐ was filed on \_\_\_\_\_ as reissue application number \_\_\_\_\_ / \_\_\_\_\_  
and was amended on \_\_\_\_\_  
(If applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

☐ by reason of a defective specification or drawing.

☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.

☐ by reason of other errors.

At least one error upon which reissue is based is described below. If the reissue is a broadening reissue, such must be stated with an explanation as to the nature of the broadening:

It is respectfully submitted that the application from which the original patent issued failed to claim apparatus without the use of means plus function language and failed to claim certain features of our invention, as now set forth in the present reissue application. It is further respectfully submitted that at least one of the new claims added to the present reissue application are broader in scope with respect to the original patent in that the at least one new claim is not limited under 35 U.S.C. Section 112, 6th paragraph. It is further respectfully submitted that the application from which the original patent issued failed to claim other aspects of applicant's invention, specifically a memory interface apparatus.

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## (REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)

Docket Number (Optional)  
SONY-R7018

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith.

Name(s)	Registration Number
CHARLES P. SAMMUT	28,901
SUSAN M. SCHMITT	34,427

Correspondence Address: Direct all communications about the application to:

☐ Customer Number

Type Customer Number here

Place Customer Number Bar  
Code Label here

<input checked="" type="checkbox"/> Firm or Individual Name	CHARLES P. SAMMUT				
Address	350 WOODSIDE AVENUE				
Address					
City	MILL VALLEY	State	CA	Zip	99941-3822
Country	U.S.A.				
Telephone	415-383-8341	Fax	415-388-7539		
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.					
Full name of sole or first inventor (given name, family name)					
KAZUNORI OZAWA					
Inventor's signature			Date		
Residence			Citizenship JAPAN		
Mailing Address c/o SONY CORPORATION 6-7-35 KITASHINAGAWA, SHINAGAWA-KU, TOKYO, 141-0001 JAPAN					
Full name of second joint inventor (given name, family name)					
NOBUHIRO TONE					
Inventor's signature			Date		
Residence			Citizenship JAPAN		
Mailing Address c/o SONY CORPORATION 6-7-35 KITASHINAGAWA, SHINAGAWA-KU, TOKYO, 141-0001 JAPAN					
Full name of third joint inventor (given name, family name)					
MASAHIRO ASAI					
Inventor's signature			Date		
Residence			Citizenship JAPAN		
Mailing Address c/o SONY CORPORATION 6-7-35 KITASHINAGAWA, SHINAGAWA-KU, TOKYO, 141-0001 JAPAN					
<input type="checkbox"/> Additional joint inventors are named on separately numbered sheets attached hereto					

Please type a plus sign (+) inside this box → ☐

PTO/SB/81 (10-00)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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## POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	NEW
Filing Date	HEREWITH
First Named Inventor	KAZUNORI OZAWA
Group Art Unit	UNKNOWN
Examiner Name	UNKNOWN
Attorney Docket Number	SONY-R7018

I hereby appoint:

☐ Practitioners at Customer Number

OR

☒ Practitioner(s) named below:

Place Customer  
Number Bar Code  
Label here

Name	Registration Number
CHARLES P. SAMMUT	28,901
SUSAN M. SCHMITT	34,427

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.

OR

☐ Firm or  
Individual Name

Address

Address

City

State

Zip

Country

Telephone

Fax

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

### SIGNATURE of Applicant or Assignee of Record

Name YUJIRO YAMANAKA

Signature

Date

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☐ \*Total of \_\_\_\_\_ forms are submitted.

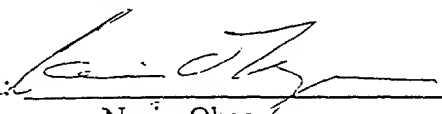
Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

LIMITED POWER OF ATTORNEY TO TAKE ACTION  
ON BEHALF OF SONY CORPORATION

I hereby declare that I am President of Sony Corporation, a Japanese corporation with offices at 7-35 Kitashinagawa 6-Chome, Shinagawa-Ku, Tokyo, Japan. As President of Sony Corporation, I hereby declare that I have the authority to execute Patent Disclaimers and actions on behalf of the Assignee under 37 C.F.R. §§ 3.71 and 3.73 on behalf of said Sony Corporation. I hereby grant power of attorney to execute Patent Disclaimers and take other actions on behalf of the Assignee under 37 C.F.R. §§ 3.71 and 3.73 on behalf of Sony Corporation to the following individual(s) with the same effect as if I had executed such Patent Disclaimers or taken such other actions under 37 C.F.R. §§ 3.71 and 3.73 myself, such power to run until revoked in writing:

Yujiro Yamanaka and Kinichi Namatame

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the U. S. Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signed:   
Norio Ohga

Date: July 13, 1993

Title: President, Sony Corporation

RECEIVED

AUG 15 1997

LIMBACH & LIMBACH

AUGUST 07, 1997

PTAS

LIMBACH & LIMBACH  
PHILIP M. SHAW, JR., ESQ.  
2001 FERRY BLDG.  
SAN FRANCISCO, CA 94111



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
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\*100456915A\*

SONY-P7018

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/18/1997

REEL/FRAME: 8591/0003  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
OZAWA, KAZUNORI

DOC DATE: 05/31/1997

ASSIGNOR:  
TONE, NOBUHIRO

DOC DATE: 05/27/1997

ASSIGNOR:  
ASAI, MASAHIRO

DOC DATE: 05/27/1997

ASSIGNEE:  
SONY CORPORATION  
7-35, KITASHINAGAWA 6-CHOME, SHINAGAWA-KU  
TOKYO 141, JAPAN

SERIAL NUMBER: 08785958  
PATENT NUMBER:

FILING DATE: 01/22/1997  
ISSUE DATE:

DOROTHY RILEY, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

JUN 18 1997

07-16-1997



100456915

To the Assistant Commissioner of Patents. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

KAZUNORI OZAWA; NOBUHIRO TONE; MASAHIRO ASAI

Additional name(s) of conveying party(ies) attached?

☐ Yes☒ No

3. Nature of Conveyance:

☒

Assignment

☐

Merger

☐

Security Agreement

☐

Change of Name

☐

Other

Execution Date: May 31, 1997; May 27, 1997; May 27, 1997

2. Name and address of receiving party(ies):

Name: SONY CORPORATION

Internal Address: Tokyo International P.O. B

100-31, Japan

Street Address: 7-35, Kitashinagawa 6-chome, Shinagawa-ku

City Tokyo 141 Country Japan

Additional Name(s) &amp; address(es) attached?

☐ Yes☒ No

4. Application number(s) or patent number(s):

A. Patent Application No.(s): 08/785,958  
Filed: January 22, 1997

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Philip M. Shaw, Jr., Esquire

Internal Address: Limbach & Limbach  
Street Address: 2001 Ferry Building  
City, State, ZIP: San Francisco, California 94111  
Telephone: (415) 433-4150  
Facsimile: (415) 433-8716

Attorney Docket No. SONY-P7018

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

☒

Enclosed

☐

Authorized to be charged to deposit account

8. Deposit account number: 12-1420

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Philip M. Shaw, Jr.  
Name of Person Signing

Signature

June 16, 1997  
Date07/14/1997 JJALLAH 00000246 08785958  
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## ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in AUDIO REPRODUCING APPARATUS AND METHOD, AUDIO RECORDING APPARATUS AND METHOD, AUDIO RECORDING AND REPRODUCING SYSTEM, AUDIO DATA TRANSMISSION METHOD, INFORMATION RECEIVING APPARATUS, AND RECORDING MEDIUM for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

AND WHEREAS, Sony Corporation, a Japanese corporation with offices at 7-35 Kitashinagawa 6-Chome, Shinagawa-Ku, Tokyo, Japan (hereinafter referenced as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

And I hereby authorize and request my attorney(s) of record in this application to insert the serial number and filing date of this application in the spaces that follow: Serial Number: 08/785,958, Filing Date: January 22, 1997

This assignment executed on the dates indicated below.

KAZUNORI OZAWA  
Name of first or sole inventor

May 31, 1997  
Execution date of U.S. Patent Application

KANAGAWA, JAPAN  
Residence of first or sole inventor

Kazunori Ozawa  
Signature of first or sole inventor

May 31, 1997  
Date of this assignment



NOBUHIRO TONE

Name of second inventor

1997.5.27

Execution date of U.S. Patent Application

TOKYO, JAPAN

Residence of second inventor

*Nobuhiro Tone*

Signature of second inventor

1997.5.27

Date of this assignment

MASAHIRO ASAI

Name of third inventor

1997.5.27

Execution date of U.S. Patent Application

KANAGAWA, JAPAN

Residence of third inventor

*Masahiro Asai*

Signature of third inventor

1997.5.27

Date of this assignment

Name of fourth inventor

Execution date of U.S. Patent Application

Residence of fourth inventor

Signature of fourth inventor

Date of this assignment

Name of fifth inventor

Execution date of U.S. Patent Application

Residence of fifth inventor

Signature of fifth inventor

Date of this assignment